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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,040	10/02/2003	Shimpei Miura	116792	6934
25944 OLIFF & BER	7590 12/29/200 RIDGE, PLC	EXAMINER		
P.O. BOX 19928			MAPLES, JOHN S	
ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
			1745	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		12/29/2006	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
Office Action Comments	10/676,040	MIURA ET AL.			
Office Action Summary	Examiner	Art Unit			
	John S. Maples	1745			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
Responsive to communication(s) filed on <u>06 Octoor</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allower closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-21 is are pending in the application. 4a) Of the above claim(s) 7-17 and 21 is are with 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-6 and 18-20 is are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	thdrawn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the original than the correction of the correction of the original than the correction of the correcti	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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Applicant's election with traverse of Group I in the reply filed on October 6,
 2006 is acknowledged. The traversal is convincing and therefore claims 19-21 will be
 examined along with claims 1-18 with regard to the restriction requirement.

Applicant also elected Embodiment I in the election of species requirement, which includes claims 4-6 and 20 and also includes generic claims 1-3, 18, 19.

Applicant argued that the species are sufficiently related that a search for one would encompass a search of the others. This argument is not convincing because each of the species are materially different and require different searching techniques for different subject matter. For example, some of the embodiments require the odor removing feature to be inside the fuel cell, while others require the odor removing feature to be found outside the fuel cell.

The requirement is still deemed proper and is therefore made FINAL.

- Claims 7-17 and 21 withdrawn from further consideration pursuant to 37
 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim.
- 3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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4. Claims 1-6 and 19-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Hibino et al.-US 2003/0126796. (Hibino)

Reference is made to the Abstract in Hibino for butyric acid added to a fuel gas for a fuel cell, which fuel cell inherently includes a fuel gas passage through which the fuel gas with the butyric acid flows, an oxidative gas passage and a fuel and oxidative off gas passages-see paragraphs 3-7 for the general fuel cell disclosure. Paragraphs 20 and 21 describe the butyric acid being removed from the fuel cell effluent, which would inherently occur in the fuel off gas passage because Hibino recites that no odor is present in the exhaust gas emitted from the fuel cell. The various positions of the odorant removal portions set forth in claims 5 and 6 are also inherently met by Hibino because the same merely recite a portion located in the fuel off gas passage.

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in

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order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

7. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hibino in view of DE 10297729. ('729)

The only claimed feature not shown by Hibino is the catalyst which would promote oxidation of the odorant. The '729 utilizes a catalyst to remove odorants in a gas purification system for hydrogen in a fuel cell. To have used in Hibino the catalyst of '729 would have been obvious to more quickly remove the odorant from the fuel cell gas effluent.

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lieftinik et al. teach removing odorant compounds from a gas stream that can be used in a fuel cell.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John S. Maples whose telephone number is 571-272-1287. The examiner can normally be reached on Monday-Thursday, 6:15-3:45, and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JSM/12-13-2006

JOHN S. MAPLES